

BioMedicine 2015 Research Symposium
Medical Education Centre
July 9-10, 2015

July 9, 2015 - Morning Program (Main Auditorium)			
Registration (Atrium)	8:15 – 8:45		
WELCOME	8:45 – 9:00		Welcome remarks.
PRESENTER	TIME	DEGREE PROGRAM	TITLE
Dr. Jonathan Ledoux <i>Visiting Speaker</i>	9:00 – 10:00		Endothelial Ca ²⁺ : Serendipity, really?
Nutrition Break	10:00 – 10:15		
Joy Hollahan	10:20 – 10:35	MSc	Do parents' sodium intakes affect the offspring? A transcriptomic study of rat heart tissue
Abhinaba Ghosh	10:35 – 10:50	MSc	Differential effect of norepinephrine on synaptic inputs to pyramidal neurons in the mouse anterior piriform cortex.
Sriya Bhattacharya	10:50 – 11:05	MSc	A histone deacetylase inhibitor, trichostatin-A, induces odor preference memory extension and maintains enhanced AMPA receptor expression in the rat pup model
Kamal Alhani	11:05 – 11:20	MSc	In contrast to its critical postnatal role, calcitriol is not required to regulate fetal mineral homeostasis and skeletal development
Brittany Gillies	11:20 – 11:35	MSc	Pregnancy and post-lactation recovery rescue low bone mass and hypocalcemia in <i>Cyp27b1</i> null mice that cannot make calcitriol
Emma Quinlan	11:35 – 11:50	MSc	Characterization of activation-induced cytidine deaminase in early-evolved species
Lunch (on your own) Eppendorf Seminar Mr. Marc-Andre Denis	12:00 – 1:00		Fundamentals of Liquid Handling (Lecture Theatre D); (Pizza lunch provided at the vendor seminar)

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July 9, 2015, Afternoon Program (Main Auditorium)			
PRESENTER	TIME	DEGREE PROGRAM	TITLE
Dr. Jack Antel <i>Keynote Speaker</i>	1:00 – 2:00		Multiple Sclerosis: A Work in Progress
Yue Ma	2:05 – 2:20	PhD	<i>Klotho</i> null fetuses reveal that FGF23 does not regulate fetal-placental phosphorus homeostasis or prenatal bone development
Atefeh Ghorbani	2:20 – 2:35	PhD	The role of Activation-induced deaminase (AID) in the unique antibody response of the Atlantic cod
Justin King	2:35 – 2:50	PhD	Catalytic pocket inaccessibility of activation-induced cytidine deaminase (AID) is a safeguard against excessive mutagenic activity
Nutrition Break	2:50 – 3:10		
Kerri Smith	3:10 – 3:25	PhD	Spontaneous ovarian tumour susceptibility in SWR mice: An intersection of genetics and endocrinology
Philip Andrews	3:25 – 3:40	PhD	The chromatin effector Pygo2 controls a transcriptional program governing cell division
Joseph Clarke	3:40 – 3:55	PhD	Autophagy inhibition reduces DRG neuron survival and growth <i>in vitro</i> .
Dr. James Johnston <i>Visiting Speaker</i>	4:00 – 5:00		Translational research in Chronic Lymphocytic Leukemia: The Manitoba Model

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July 10, 2015, Morning Program (Main Auditorium)			
PRESENTER	TIME		TITLE
Dr. Cliff Guy <i>Visiting Speaker</i>	8:30 – 9:30		Molecular mechanisms underlying T cell activation, division, and exhaustion
OPEN POSTER SESSION (1M102)			
PRESENTER	JUDGING TIME	DEGREE PROGRAM	POSTER TITLE
Kathleen Fifield	9:30 – 9:40	PhD	Examining vasculature reperfusion and cell survival following an acute ET-1 ischemic stroke
Hala Abdouni	9:40 – 9:50	MSc	Understanding substrate specificity of activation-induced cytidine deaminase (AID)
Ricardo Carmona	9:50 – 10:00	MSc	The role of regulatory proteins within the Pak2 signaling pathway in prostate cancer growth
Jennifer Shears	10:00 – 10:10	MSc	Comparing methods to facilitate sit to stand post-stroke: <i>Methodology</i>
Andrew Snelgrove	10:10 – 10:20	MSc	An examination of inflammatory cytokine production in human monocyte-derived macrophages and microglia transfected with microRNA-146a
Aaron Wiseman	10:20 – 10:30	MSc	Role of the vitamin D receptor in regulating intestinal calcium absorption and bone metabolism during pregnancy and lactation
Nutrition Break	10:30 – 10:40		
ORAL PRESENTATIONS (Main Auditorium)			
PRESENTER	TIME	DEGREE PROGRAM	TITLE
Dr. Patricia Mulrooney-Cousins	10:40 – 10:55	Research Associate	Primary seronegative but molecularly evident hepadnaviral infection engages the liver and induces hepatocarcinoma in the woodchuck model of hepatitis B
Nicholas Newhook	10:55 – 11:10	MSc	<i>In vitro</i> NK responses of cytomegalovirus-seropositive individuals suggest adaptive memory
Andrea Rasmussen	11:10 – 11:25	MSc	Contrasting effects on HLA and PD-L1 expression through inhibition of MAPK pathway in triple negative breast cancer cells
Ema Yoshioka	11:25 – 11:40	MSc	Promotion of protoporphyrin IX (PpIX) fluorescence by MEK inhibition in <i>in vivo</i> cancer models
Todd Rowe	11:40 – 11:55	MSc	Effect of intermittent palatable food exposure on orexigenic neurons in lateral hypothalamus
Lunch (on your own)	12:00 – 1:00		

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July 10, 2015, Afternoon Program (Main Auditorium)			
PRESENTER	TIME	DEGREE PROGRAM	TITLE
Dr. Theresa Guise <i>Visiting Speaker</i>	1:00 – 2:00		Cancer-associated muscle dysfunction: What's bone got to do with it?
Victoria Linehan	2:05 – 2:20	PhD	High-fat diet-induced metaplasticity of excitatory transmission of orexin neurons
Amin Shakhawat	2:20 – 2:35	PhD	Olfactory bulb noradrenergic modulation of similar odor discrimination learning and odor representation in the piriform cortex
Shengnan Li	2:35 – 2:50	PhD	Growth Factors, Insulin, IGF-I, EGF and IGF alter subcellular localization of MIER1a in MCF7 breast carcinoma cells and Ras signalling pathway is involved
Nutrition Break	2:50 – 3:10		
Roya Derwish	3:10 – 3:25	PhD	To investigate whether MIER2 and MIER3 have similar or unique functions to MIER1
Dr. Ranjit Chauhan	3:25 – 3:40	Postdoctoral Fellow	Earliest sites of hepadnavirus integrations into host genome after <i>de novo</i> infection of hepatocyte-like HepaRG cells and woodchuck livers
Dr. Budd Tucker <i>Visiting Speaker</i>	3:45 – 4:45		Combining patient specific stem cell and tissue engineering based approaches to treat retinal degenerative blindness
CLOSING REMARKS	4:45 - 4:55		
Awards and Reception (Atrium)	5:00 – 10:00		